

**ABSTRACT OF THE DISCLOSURE**

A training system uses a mechanical mock-up with electrically conductive probe points connected to electronically readable memories, and a simulated diagnostic tool to interface with a system or machine simulation for the purpose of operation, maintenance or procedure training. When a probe of a simulated diagnostic tool comes into contact with a probe point of the mechanical mock-up, the electronically readable memory supplies a unique identifier code that is communicated by the simulated diagnostic tool to the simulation to indicate the contact of the probe with the corresponding probe point. Complex wiring connections between the mechanical mock-up and a computer that runs the simulation are eliminated and construction of the training system is significantly simplified.